

MEGA ST^E™ Business Computer



 **ATARI**[®]
COMPUTER



The Realms of Personal Power

The personal computer is the single productivity tool that revolutionized information gathering and dissemination. Not to mention graphic design, audio technology in the recording and movie industries, publishing, as well as at-home reports, school assignments and record keeping—you name it. Nearly every area of our lives is affected by personal computers.

They are serious tools. Not toys. And Atari has been in the personal computer business since we got our feet wet in 1978 with the innovative 400™ and 800™ series.

Our roots in video games has made it easier for us to provide our computer customers with excitement, imagination and innovation in personal computer technology. And that's exactly what you'll find in our new MEGA STE. Its cutting-edge features help you explore new vistas in computing. Features like the 4096-color palette, stereo digital sound, and a graphics coprocessor.

The increased processing speed of 16 MHz makes the MEGA STE a powerful force to be reckoned with in the world of serious business computers. And when combined with the on-board cache, the MEGA STE's speed is unbeatable by any computer in its class.

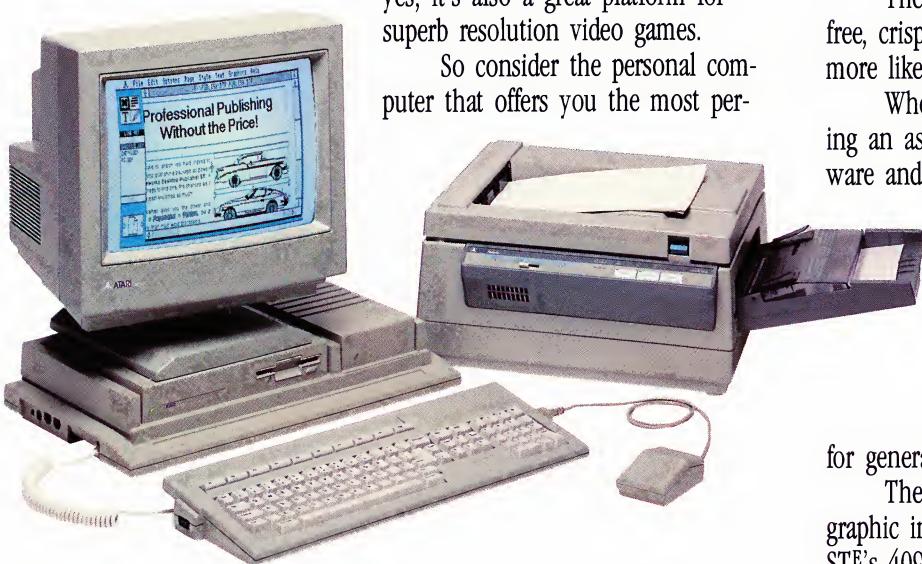
The MEGA STE retains all the advances that made the original Atari ST™ so popular with imaginative computer users, such as a built-in Musical Instrument Digital Interface (MIDI), a built-in RF modulator with GENLOCK for receiving external video sources, plus parallel and serial ports for communicating with your industry standard peripherals and your peers.

Equally important, the MEGA STE offers a graphical user interface. Which nearly everyone now acknowledges is the most natural and intuitive way for humans to interact with computers. The MEGA STE contains its friendly interface and the rest of the operating system in ROM on the motherboard. With the MEGA STE's operating system in ROM, your boot-ups are much faster, and your system information is less vulnerable than system information contained on a disk.

What's more, the Atari MEGA STE boasts a broad range of software spanning home, classroom, and office applications. And

yes, it's also a great platform for superb resolution video games.

So consider the personal computer that offers you the most per-



sonal advantages. As the MEGA STE so amply demonstrates, when it comes to high technology, we're not just playing around.

Power You Can See

Whether it's a letter, a report, a school assignment, or a lengthy technical manual, the Atari MEGA STE can handle it. There's a wide range of classic software available for any word processing task—from WordPerfect® to Microsoft® Write.

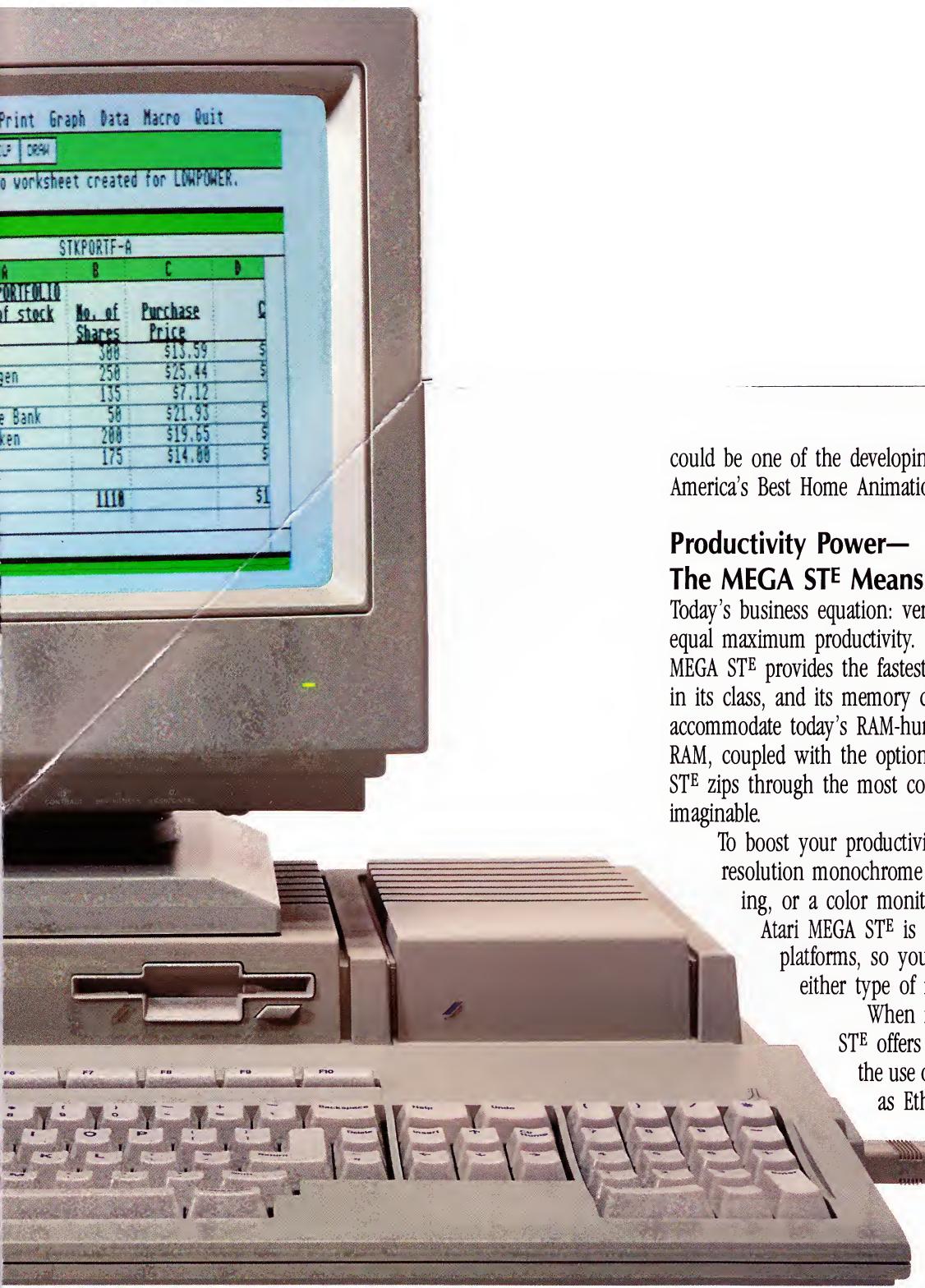
The high resolution monochrome monitor provides a flicker-free, crisp display that prevents eyestrain. Using your MEGA STE is more like reading a book than trying to watch TV!

Whether designing brochures, publishing magazines, or compiling an assignment or newsletter, the Atari MEGA STE has the hardware and software to make you a desktop publishing professional.

With laser printer and high resolution monochrome support, your final copy will be crisp and professional. And DTP software for the MEGA STE has more features than other computer's more expensive software.

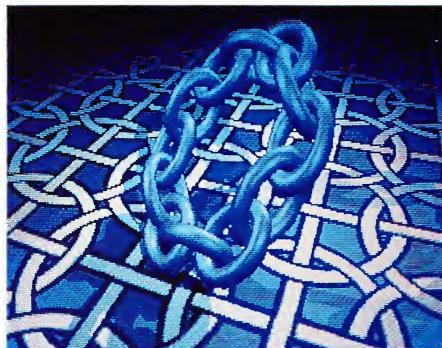
Artists, graphic designers, architects, and business people can utilize the MEGA STE's power for generating highly complex images, designs, and presentations.

The MEGA STE's graphics coprocessor (BLITTER™ chip) handles graphic intensive CAD applications with speed and ease. The MEGA STE's 4096-color palette and crystal sharp, high-res display provide a personal video canvas to generate professional quality images full of hue and imagination. Paint a picture and animate it. Create a



corporate logo. Chart your company's quarter-to-quarter revenues. the MEGA STE is also an excellent tool for desktop video. With the MEGA STE, we think you'll get the picture!

Catch the multimedia computing wave with Atari. The MEGA STE can accept external video sources through GENLOCKING, making it a cost-effective editing tool for the home or professional video producer. GENLOCKING allows you to play a video source as background behind whatever is happening on the desktop. You can use the MEGA STE's user-friendly software to place text and graphics images over a background video and record the two images onto video tape. Put titles and graphics on home video. Create a high tech multimedia presentation for a sales meeting using video images and informative captions. Or create your own animated cartoons and record them on video tape. This exciting application is just now opening up to the personal computer user, and the only limitation is your imagination. Just think, you



could be one of the developing influences of a new TV show craze; America's Best Home Animations!

Productivity Power—

The MEGA STE Means Business!

Today's business equation: versatility, flexibility, and performance equal maximum productivity. To work that equation, the Atari MEGA STE provides the fastest processing speed of any computer in its class, and its memory can be easily expanded to 4 MB to accommodate today's RAM-hungry applications. And with 4 MB of RAM, coupled with the optional 68881 math coprocessor, the MEGA STE zips through the most complex number crunching tasks imaginable.

To boost your productivity, the MEGA STE can use a high-resolution monochrome monitor for word or number processing, or a color monitor for design and presentation. The Atari MEGA STE is disk format compatible with MS-DOS® platforms, so you can work with files created on either type of machine.

When it comes to communication, the MEGA STE offers industry standard VMEbus to allow the use of a vast array of standard VME cards such as Ethernet™. The VMEbus can also accom-

modate expansion cards, video cards, and more. The system supports the most recent revision (C.1) of the VME bus specification.

The MEGA STE and its treasure trove of software help you deal with the challenges of doing business.

MEGA STE Software—Power in Numbers

There are more than 4000 software titles available for you to explore and use on your MEGA STE. Stack them, one on top of the other, and they still won't reach the top of your imagination. the software exploration is limitless.

Key applications are WordPerfect®, DeskSet™ II, SuperBase Professional™, and LDW Power. And don't forget Calamus®, Microsoft® Write, and the many CAD and drawing programs. MEGA STE software is easily acquired from the many Atari dealers, and we are continually adding more software developers to the Atari family.

MEGA STE Brain Power

With the MEGA STE there are no system disks to keep track of, and that makes the MEGA STE easy to use. There are also no obscure DOS commands to learn, so you can be up and running without hours and hours of poring over tedious documentation. That leaves more time for your schoolwork.



An extensive collection of fascinating and informative software is available to enhance your children's learning environment, and keep them amused and stimulated for hours. A child's creative talents take wing, powered by the MEGA STE's state-of-the-art graphics and sound. The MEGA STE gives your child a terrific head start in a high tech world.

The Sound of Personal Power

Computer technology continues to be an invaluable tool in the creation and enjoyment of music. The Atari MEGA STE has the most extensive and varied range of music software available. Coupled with built-in MIDI and ease-of-use, the MEGA STE is the computer of choice for world-class musicians.

Digitally record and edit a musical session. Compose in concert with musical instruments, synthesizers, or even another MIDI-equipped computer.



Performers like Icehouse, Fleetwood Mac, The Pointer Sisters, The Beach Boys, Madonna, and Janet Jackson rely on the musical magic of Atari. And many other men and women who create today's music have realized that Atari's computer technology is a tool for sound as well as a sound tool.

Architecture

- CPU: Motorola 68000 running at 16 MHz.
- Bus: 16-bit external; 32-bit internal; 24-bit address.
- FPU: Optional MC68881/82.
- RAM: 2 or 4 MB.
- ROM: 256 Kbyte internal; 128 Kbyte external plug-in ROM.

Hardware

- Accepts external GENLOCK.
- Graphics coprocessor chip (BLITTER).

Keyboard

- Standard QWERTY keyboard format.
- Low profile, sculptured ergonomic design.
- 94 keys; 10 function keys.
- Separate numeric and cursor keypads.
- Keyboard processor to reduce CPU overhead.

Mouse

- Supplied as standard.
- 2-button control.
- High precision, nonslip ball motion sensor.
- Removable ball for easy cleaning.

Operating System

- TOS™ operating system entirely in ROM.
- Hierarchical file system with subdirectories and pathnames.
- User interface via GEM® and mouse, for self-explanatory command functions.



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Power Play

Choose the show-stopping MEGA STE if you want the most outlandish fun and excitement. With its rainbow of colors, stereo sound, and the ability to allow six players to simultaneously challenge one another, this machine wins hands down as the world's superstar gaming computer.

Its first-rate graphics and serious processing power, combined with brilliantly conceived game software can take you on astonishing flights of fancy. Use the MEGA STE to play the best in arcade classics, sports games, strategy games... or use your programming skills to design your own adventures.

Power for Personal Performance

The MEGA STE is a lot of computer. But the best part is the personal advantages offered by the MEGA STE. Features that are of immediate benefit to you, and that would cost you much more if you were to add them to other computers.

Sit down in front of an MEGA STE, switch it on, and experience personal power for yourself—the essence of the MEGA STE.

- Interface includes icons, multiwindowing, window resizing/repositioning/closing, and pull-down menus.
- GEM virtual device interface.

Software

- New Desktop with enhanced features such as installing custom icons onto the desktop to represent drives, programs, or files.
- The new Control Panel desk accessory with extensions such as Color Setup, Sound Setup, and the Mouse Accelerator.

Input/Output Ports

- All ports built-in.
- MIDI ports.
- Audio out: 2 x RCA jacks for left and right channels.
- Connector for color or monochrome monitor.
- 2 modem/RS232C serial ports:
- 1 high-speed DMA serial port or LAN port with DMA.
- Parallel printer port (8-bit parallel).
- External floppy disk drive port.
- External DMA port for hard disk, CD-ROM, and laser printer.
- Mouse/joystick (standard Atari connector).
- Controller/joystick/light gun ports: 2 x 15 pin high-density D connectors.
- Cartridge port (128 Kbyte capacity).
- Built-in RF modulator for connection to TV and VCR.

- Built-in power supply.
- Direct Memory Access (DMA).

Graphics

- Includes graphics coprocessor.
- High resolution: 640 x 400 monochrome.
- Medium resolution: 640 x 200 4 colors.
- Low resolution: 320 x 200 16 colors.
- Color palette: 4096 colors.
- Text display: 80 column.
- Hardware horizontal and vertical scrolling on pixel basis.

Sound and Music

- 5 programmable sound channels.
- Frequency programmable to 25 kHz.
- Stereo DMA sound engine: built-in 2-channel digital/analog converter (DAC); play back digitized samples at rates between 6 kHz and 50 kHz on 2 channels; programmable volume/tone control.
- Programmable sound generator (PSG): 3 tone generators; 2 noise generators; dynamic envelope shaping; wave shaping.
- Includes Musical Instrument Digital Interface (MIDI) for connection to music synthesizers, sequencers, drum boxes, and other devices with MIDI interfaces.

Floppy Disk Drives

- 3.5-inch, double-sided, 720 Kbyte.
- MS-DOS format compatibility.